

**North Carolina Transmission Planning Collaborative
Oversight / Steering Committee (OSC)
Meeting Highlights
December 13, 2016
NCEMC Office
3400 Sumner Boulevard
Raleigh, NC
10:00 AM - 11:30 PM ET**

Edgar Bell, Chairman	Duke Energy Carolinas
Bob Pierce	Duke Energy Carolinas
Orvane Piper	Duke Energy Carolinas
Sam Waters (Phone)	Duke Energy
Mark Byrd	Duke Energy Progress
Bill Quaintance	Duke Energy Progress
Marty Berland	ElectriCities
Luis Fondacci	NCEMC
John Lemire	NCEMC
James Manning	NCEMC
Rich Wodyka	Consultant Administrator

Administrative

- The November 14, 2016 OSC Meeting Minutes and Highlights were reviewed and approved with one edit.
- Rich Wodyka reported on the upcoming meeting with the NC Energy Policy Council on January 18th in Raleigh. Sam Waters confirmed that he is available to be the primary spokesperson on behalf of the NCTPC for this meeting. Rich Wodyka had previously sent out the Draft presentation prepared for this meeting to the OSC for their review. The OSC can provide Rich with any comments or edits prior to the January OSC meeting. The OSC will review this presentation at the January OSC meeting. Other OSC members are welcome to attend this meeting, if available.
- Rich Wodyka discussed the schedule for the preparation of the press release related to the 2016 Collaborative Transmission Plan. Rich requested that the OSC members identify their respective company's PR reps that will be assigned to assist him in the development and publication of the press release

before the January OSC meeting. As always, the OSC will get the review and approve the press release before it gets released for distribution.

- James Manning reviewed the proposed PWG officer rotation. The new proposed PWG officers are Orvane Piper - Chair, and Marty Berland - Vice Chair / Secretary. The OSC approved the new proposed PWG officers to become effective on January 1, 2017. James also noted the dual role of the Vice Chair and Secretary, along with an update on the Officer rotation schedule, requires some minor modification to the PWG Scope document. James will send out an updated PWG Scope document for OSC review and approval at the January OSC meeting.

TAG Meeting Presentations

- Rich Wodyka led the OSC review and discussion of the proposed TAG meeting presentations for later in the afternoon.

2016 Collaborative Transmission Plan Report

- Orvane Piper led the OSC discussion on the 2016 Study Report. Orvane highlighted the 2016 Study Process, the Study Assumptions, and the final 2016 Study Results. The 2016 Plan includes 10 major transmission projects with an estimated cost of \$214 M.
- Orvane also presented the results associated of the two hypothetical Local Economic Study sensitivities studied in 2016.
- For the Local Economic Study sensitivity #1 - a hypothetical forced outage of multiple nuclear units, specifically Brunswick Units #1 and #2, there were two additional transmission projects required in DEP. The two DEP totaling \$17 M would be necessary under this scenario to ensure future reliability.
- For the Local Economic Study sensitivity #2 - identification of permanent transmission upgrades to eliminate the use of specific operation procedures / guides, there were additional transmission projects identified in both DEC and DEP. The estimated cost for these hypothetical solutions totaled \$28 M.
- John Lemire led a discussion on the content in the 2016 Study Report document. John identified his concern that the previous draft report did not consistently identify the alternative solutions that were considered before a selection of the final best solution was determined. He noted that the latest

version did address his concern somewhat but in future reports there needs to be more consistent information related to alternative solutions across all the Major Project Descriptions documented. The OSC also requested that in future studies that the PWG have more detailed discussions on alternative solutions to ensure that all technically feasible alternative solutions are considered. There were also a number of other minor edits made to the Draft Report so that the OSC instructed Rich Wodyka to distribute and publish an updated version of the 2016 Study Report.

- After the updated 2016 Study Draft Report is distributed and posted, the TAG will be requested to submit any additional comments or questions on this Report to Rich Wodyka by January 4, 2017.

2017 Study Scope Discussion

- Mark Byrd led the OSC discussion on the scope of work for 2017. Mark noted that the 2017 study analysis would include our standard reliability analysis for 2022 summer and winter along with the 2027 summer. Mark discussed past alternate study scenarios and will request input from the TAG on any suggested study scenarios as well as input on Local Economic Study Requests and Public Policy Study requests.
- Rich Wodyka discussed the schedule for TAG to provide additional input to the OSC on the 2017 Study Scope, as well as input on Local Economic Study Requests and Public Policy Study requests. Rich will be sending out the request for TAG input on the 2017 Study Scope along with the instructions and forms associated with Local Economic Study Requests and Public Policy Study requests in early January. TAG will be requested to submit their input on these items to Rich Wodyka by February 3, 2017.
- The OSC will discuss the 2017 Study Scope item again at the January meeting.

Regional Studies Reports

SERC LTSG Update

- Bob Pierce reported that the SERC has completed their work on 2016 series of MMWG cases. He noted that there was much better attention paid to interchange coordination in these models. The SERC 2021 Summer Study Report showed acceptable levels of transfer capability and no unanticipated

projects being required in DEC/DEP. The report will be publicly available in April 2017.

CTCA Update

- Bob Pierce reported that the CTCA group is continuing their 2018/19 Winter and 2022 Summer Study. They expanded their scope of work to include the NERC TPL-001-4 requirements to coordinate the analysis of contingencies across neighboring systems to evaluate the impact one systems contingencies on the adjacent system. The final results and associated study report are expected to be completed in the first quarter of 2017.

EIPC Update

- Bob Pierce reported that the EIPC recently wrapped up their education activities through webinars for their stakeholders. These webinars were valuable for reporting on activities that are occurring across the various regions. Currently there are no EIPC study activities. The the EIPC Technical Committee is evaluating options for making the EIPC activities more valuable for the stakeholders and useful for the industry in general.

SERTP

- Bob Pierce reported that the SERTP group 4th Quarter Meeting will be held on December 15th in Atlanta. This will be the SERTP Annual Transmission Planning Summit. The primary purpose of this meeting is to discuss the regional transmission plan, the final results of the economic planning studies selected by the "RPSG" in March, and the modeling assumptions that will be used in developing next year's transmission plan.

NERC Reliability Standards Update

- Bob Pierce reported on the following NERC activities:
 - SERC MRRE audit of DEP/DEC
 - NERC GridSecCon 2016 - phishing
 - TPL-001-4/IRO-017-1 Outage Coordination (4/17)

TAG Work Plans

- **2016 TAG Work Plan** - Rich Wodyka reviewed his planned update of the TAG 2016 work plan. Today's TAG meeting will complete the activities associated with the 2016 TAG Work Plan.

- **2017 TAG Work Plan** - Rich Wodyka reviewed and discussed the proposed work plan for the 2017 TAG activities. He noted that he made some minor modifications to the plan but essentially it is the same work plan that was utilized for the 2016 TAG activities.

PWG Items and Regional Updates

- All Regional Updates and PWG items were covered by the OSC under the discussions of the TAG meeting presentations.

Future OSC Meeting Schedule

- The OSC reviewed and approved the meeting dates and times listed below.

Date	Time	Location
January 13, 2017	1 pm - 3 pm	Conference Call
February 13, 2017	1 pm - 3 pm	Conference Call
March 17, 2017 OSC/TAG Meeting	10 am - 3 pm	Tentative - TBD